

Substitute Form PTO-1449 (Modified) Information Disclosure Statement By Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10527-118004	Application No. 09/924,275
	Applicant Kevin R. Heath		
	Filing Date August 8, 2001	Group Art Unit 3738	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>SR</i>	AA	5,902,332	05/11/99	Schatz			
	AB	5,879,382	03/09/99	Boneau			
	AC	5,858,556	01/12/99	Eckert et al.			
	AD	5,843,163	12/01/98	Wall			
	AE	5,733,326	03/31/98	Tomonto et al.			
	AF	5,725,570	03/10/98	Heath			
	AG	5,725,549	03/10/98	Lam			
	AH	5,658,296	08/19/97	Bates et al.			
	AI	5,630,840	05/20/97	Mayer			
	AJ	5,609,629	03/11/97	Fearnot et al.			
	AK	5,556,413	09/17/96	Lam			
	AL	5,514,154	05/07/96	Lau et al.			
	AM	5,498,236	03/12/96	Dubrul et al.			
	AN	5,496,330	03/05/96	Bates et al.			
	AO	5,474,563	12/12/95	Myler et al.			
	AP	5,389,106	02/14/95	Tower			
	AQ	5,382,259	01/17/95	Phelps et al.			
	AR	5,374,261	12/20/94	Yoon			
	AS	5,360,442	11/01/94	Dahl et al.			
	AT	5,354,309	10/11/94	Schnepp-Pesch et al.			
	AU	5,256,764	10/26/93	Tang et al.			
	AV	5,217,483	01/08/93	Tower			
	AW	5,207,706	05/04/93	Menaker, M.D.			
	AX	B1 5,197,978	05/28/96	Hess			
	AY	5,163,952	11/17/92	Froix			
	AZ	5,163,433	11/17/92	Kagawa et al.			
	AAA	5,152,777	10/06/92	Goldberg et al.			

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Date Considered

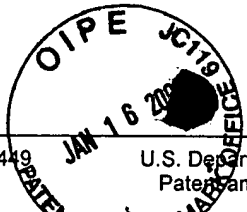
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QZ	ABB	5,147,385	09/15/92	Beck et al.			
	ACC	5,129,890	07/14/92	Bates et al.			
	ADD	5,111,829	05/12/92	Alvarez de Toledo			
	AEE	5,109,830	05/05/92	Cho			
	AFF	5,104,404	04/14/92	Wolff			
	AGG	5,095,915	03/17/92	Engelson			
	AHH	5,092,877	03/03/92	Pinchuk			
	AII	5,071,407	12/10/91	Termin et al.			
	AJJ	5,069,226	12/03/91	Yamauchi et al.			
	AKK	5,069,217	12/03/91	Fleishhacker, Jr.			
	ALL	5,064,435	11/12/91	Porter			
	AMM	5,064,428	11/12/91	Cope et al.			
	ANN	5,061,275	10/29/91	Wallsten et al.			
	AOO	5,052,407	10/01/91	Hauser et al.			
	APP	5,026,377	06/25/91	Burton et al.			
	AQQ	5,019,090	05/28/91	Pinchuk			
	ARR	5,019,085	05/28/91	Hillstead			
	ASS	5,015,253	05/14/91	MacGregor			
	ATT	5,012,797	05/07/91	Liang et al.			
	AUU	5,003,989	04/02/91	Taylor et al.			
	AVV	5,003,987	04/02/91	Grinwald			
	AWW	4,990,151	02/05/91	Wallsten			
	AXX	4,984,581	01/15/91	Stice			
	AYY	4,980,964	01/01/91	Boeke			
	AZZ	4,969,891	11/13/90	Gewertz			
	AAAA	4,964,409	10/23/90	Tremulis			
	ABBB	4,954,126	09/04/90	Wallsten			

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	ACCC	4,925,445	05/15/90	Sakamoto et al.			
	ADDD	4,886,062	12/12/89	Wiltor			
	AEEE	4,884,579	12/05/89	Engelson			
	AFFF	4,883,486	11/28/89	Kapadia et al.			
	AGGG	4,875,480	10/24/89	Imbert			
	AHHH	4,850,999	07/25/89	Planck			
	AMM	4,848,348	07/18/89	Craighead			
	AJJJ	4,848,343	07/18/89	Wallstead et al.			
	AKKK	4,846,186	07/11/89	Box et al.			
	ALLL	4,834,747	05/30/89	Gogolewski			
	AMMM	4,830,262	05/16/89	Ishibe			
	ANNN	4,771,773	09/20/88	Kropf			
	AOOO	4,770,664	09/13/88	Gogolewski			
	APPP	4,760,849	08/02/88	Kropf			
	AQQQ	4,733,665	03/29/88	Palmaz			
	ARRR	4,731,084	03/15/88	Dunn et al.			
	ASSS	4,719,916	01/19/88	Ravo			
	ATTT	4,654,092	03/31/87	Melton			
	AUUU	4,600,446	07/15/86	Torisaka et al.			
	AVVV	4,553,564	11/19/85	Baram			
	AWWW	4,535,759	08/20/85	Polk et al.			
	AXXX	4,465,481	08/14/84	Blake			
	AYYY	4,380,574	04/19/83	Gessinger et al.			
	AZZZ	4,281,419	08/04/81	Treace			
	AAAAA	3,749,086	07/31/73	Kline et al.			
	ABBBB	3,584,327	06/15/71	Murry			
	ACCCC	3,562,024	02/09/71	Smith et al.			

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PK	ADDD	3,446,166	09/09/69	Levinstein et al.			
PK	AEDE	2,524,661	10/03/50	Harder et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
PK	AEDE	WO93/19804	14 Oct. 93	WIPO				
	AGGG	WO93/19803	14 Oct. 93	WIPO				
	AHHH	59-19958	1978	Japan				
	AIH	53-19958	23 Feb. 78	Japan				
	AJJJ	2479685	30 Mar. 81	France				
	AKKK	0593136A1	11 Dec. 90	Europe				
	ALLL	0556940A1	13 Feb. 87	Europe				
	AMMM	0259541	Oct. 17. 89	Japan				

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
PK	ANNN	"Strengthening Mechanisms in Elgiloy", <i>Journal of Materials Science</i> , 19, pp. 2815-2836
	AOOO	ASM International Handbook Committee, Metals Handbook Tenth Edition, 2:, Properties and Selection: Nonferrous Alloys and Special-Purpose Materials, p.454
	APPP	ASM International Handbook Committee, Metals Handbook Tenth Edition, 1:, Properties and Selection: Irons, Steels, and High-Performance Alloys, pp. 841-871 (1990)
	AQQQ	DFT (Drawn Filled Tubing)
	ARRR	Klinger, L.J. et al., MP35N Alloy-The Ultimate Wire Material
	ASSS	Schneider, PCT/IB95/00253 Search Report, October 1995
	ATTT	Schneider, PCT/US93/11262 Search Report, November 1993
	AUUU	Sigwart, J., et al., Intravascular Stents to Prevent Occlusion and Restenosis after Transluminal Angioplasty, <i>N.E. Journal of Medicine</i> , 316: 701-706 (1987)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Per PUSH</i>	AA	5 6 2 8 7 8 7	05/13/97	Mayer			
	AB	5 4 8 9 2 (2) 7	02/06/96	Tolkoff et al.			
	AC	5 4 7 6 5 0 8	12/19/96	Amstrup			
	AD	5 3 6 8 6 6 1	11/29/94	Nakamura et al.			
	AE	5 3 6 6 5 0 4	11/22/94	Anderson et al.			
	AF	5 3 (4) 3 0 9	10/11/94	Schnepp-Pesch et al.			
	AG	5 3 3 4 2 0 1	08/02/94	Cowan			
	AH	5 3 2 0 1 0 0	06/14/94	Herweck et al.			
	AI	5 3 0 4 1 4 0	04/19/94	Kugo et al.			
	AJ	5 2 7 6 4 5 5	01/04/94	Fitzsimmons et al.			
	AK	5 2 5 6 1 5 8	10/26/93	Tolkoff et al.			
	AL	5 2 1 3 1 1 1	05/25/93	Cook et al.			
	AM	5 2 0 1 9 0 1	04/13/93	Harada et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>R</i>	AN	WO 97/04895	02/13/97	PCT				
<i>I</i>	AO	WO 94/24961	11/10/94	PCT				
	AP	WO 94/16646	04/08/94	PCT	A61F 2	02	X	
	AQ	CA 1,324,553	11/23/93	Canada				

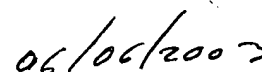
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>R</i>	AR	Alliger, "Ultrasonic Disruption", Am. Lab. (a journal), Vol. 7, No. 10, 1975, pp. 75-76, 78, 80-82, 84, and 85.
<i>JA</i>	AS	Alliger et al., "Tumoricidal Effect of a New Ultrasonic Needle", Federation Proceedings - Abstracts, Vol. 44, No. 4, March 5, 1985, p. 1145.
<i>JA</i>	AT	Ariani et al., "Dissolution of Peripheral Arterial Thrombi by Ultrasound", Circulation (American Heart Association), Vol. 84, No. 4, October 1991, pp. 1680-1688.

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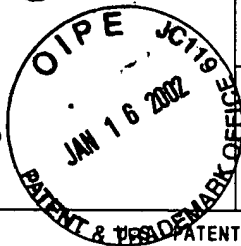
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<i>BA</i>	<i>BA</i>	5 1 9 7 9 7 8	03/30/93	Hess			
<i>BB</i>	<i>BB</i>	5 1 7 6 6 1 7	01/05/93	Fischell et al.			
<i>BC</i>	<i>BC</i>	5 1 7 1 2 6 2	12/15/92	MacGregor			
<i>BD</i>	<i>BD</i>	5 1 7 1 2 3 3	12/15/93	Amplatz et al.			
<i>BE</i>	<i>BE</i>	5 1 4 7 3 1 7	09/15/92	Shank et al.			
<i>BF</i>	<i>BF</i>	5 1 3 9 4 8 0	08/18/92	Hickle et al.			
<i>BG</i>	<i>BG</i>	5 0 6 9 2 2 6	12/03/91	Yamauchi et al.			
<i>BH</i>	<i>BH</i>	5 0 5 9 1 6 6	10/22/91	Fischell et al.			
<i>BI</i>	<i>BI</i>	5 0 4 7 0 5 0	09/10/91	Arpesani			
<i>BJ</i>	<i>BJ</i>	5 0 4 0 2 8 3	08/20/91	Pelgrom			
<i>BK</i>	<i>BK</i>	5 0 4 0 2 8 0	08/20/91	Takada			
<i>BL</i>	<i>BL</i>	5 0 2 5 7 9 9	06/25/91	Wilson			
<i>BM</i>	<i>BM</i>	5 0 2 4 6 1 7	06/18/91	Karpiel			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>BN</i>	<i>BN</i>	0 547 739 A1	06/23/93	EPC				
<i>BO</i>	<i>BO</i>	WO 92/19310	12/11/92	PCT	A61M 29	00	X	
<i>BP</i>	<i>BP</i>	WO 92/21399	12/10/92	PCT				
<i>BQ</i>	<i>BQ</i>	WO 92/13483	08/20/92	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>BR</i>	<i>BR</i>	Chae et al., "Ultrasonic Dissolution of Human Thrombi", Journal of the American College of Cardiology, Vol. 15, No. 7, June 1990, p. 65A.
<i>BS</i>	<i>BS</i>	Chaussy et al., "Transurethral Ultrasonic Ureterolithotripsy Using a Solid-Wire Probe", Urology, Vol. XXIX, No. 5, May 1987, pp. 531-532.
<i>BT</i>	<i>BT</i>	Chaussy et al., "Transurethral Ultrasonic Uretero-lithotripsy: A New Technique", The Journal of Urology, Vol. 137, No. 4, Part 2, April 1987, p. 159A.

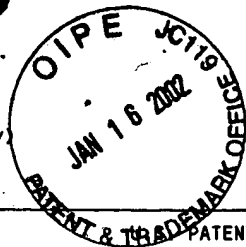
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	CA	5 0 2 4 2 3 2	06/18/91	Smid et al.			
	CB	5 0 1 5 1 8 3	05/14/91	Fenick			
	CC	5 0 0 1 8 2 5	03/26/91	Halpern			
	CD	4 9 9 5 8 7 8	02/26/91	Rai			
	CE	4 9 8 9 6 0 8	02/05/91	Ratner			
	CF	4 9 7 1 4 9 0	11/20/90	Hawkins			
	CG	4 9 5 7 1 1 0	09/18/90	Vogel et al.			
	CH	4 9 5 3 5 5 3	09/04/90	Tremulis			
	CI	4 9 5 0 2 2 7	08/1990	Savin et al.			
	CJ	4 9 3 6 8 4 5	06/26/90	Stevens			
	CK	4 9 3 4 3 8 0	06/19/90	de Toledo			
	CL	4 9 3 2 4 1 9	06/12/90	de Toledo			
	CM	4 9 2 2 9 2 4	05/08/90	Gambale et al.			

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							YES	NO
	CH	DE 92 06 170	08/05/92	Germany	A61B 6	00		X
	CO	WO 92/11815	07/23/92	PCT	A61B 17	22	X	
	CP	EP 0 481 365 A1	04/22/92	European	A61F 2	06	X	
	CQ	DE 40 22 956 A1	02/06/92	Germany	A61F 2	06	X	
	CR	O 042 703 A1	12/30/91	EPC	A61F 2	02		X
	CS	WO 91/19528	12/26/91	PCT	A61B 17	32		

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	CT	Demer et al., "High Intensity Ultrasound Increases Distensibility of Calcific Atherosclerotic Arteries", Journal of the American College of Cardiology, Vol. 68, No. 2, July 15, 1991, pp. 242-246.
	CU	Ernst et al., "Ability of High-Intensity Ultrasound to Ablate Human Atherosclerotic Plaques and Minimize Debris Size", The American Journal of Cardiology, Vol. 68, No. 2, July 15, 1991, pp. 242-246.
	CV	Freeman et al., "Ultrasonic Angioplasty Using a New Flexible Wire System", Journal of the American College of Cardiology, Vol. 13, No. 1, January 1989, p. 4A.

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AB	DA	4 9 2 2 9 0 5	05/08/90	Strecker			
	DB	4 9 2 0 9 5 4	05/01/90	Alliger et al.			
	DC	4 9 0 7 5 7 2	03/13/90	Borodulin et al.			
	DD	4 9 0 6 2 4 1	03/06/90	Noddin			
	DE	4 8 9 9 7 3 3	02/13/90	DeCastro et al.			
	DF	4 8 7 0 9 5 3	10/03/89	DonMicheal et al			
	DG	4 8 6 7 1 7 3	09/19/89	Leoni			
	DH	4 8 5 6 5 1 6	08/15/89	Hillstead			
	DI	4 8 4 2 5 9 0	06/27/89	Tanabe et al.			
	DJ	4 8 3 0 0 2 3	05/16/89	de Toledo et al.			
	DK	4 8 3 0 0 0 3	05/16/89	Wolff et al.			
	DL	4 8 2 3 7 9 3	04/25/89	Angulo et al.			
	DM	4 8 1 9 6 1 8	04/11/89	Liprie			

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							YES	NO
AB	DN	EP 0 435 518 A1	07/03/91	European				
	DO	EPO 0 433 011	06/19/91	European	A61F 2	06	X	
	DP	WO 91/04716	04/18/91	PCT	A61F 2	02		X
	DQ	0 405 823 A2	01/02/91	EPC				
	DR	0 405 429 A2	01/02/91	EPC				

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AB	DS	Freeman et al., "Ultrasonic Energy Produces Endothelium-Dependent Vasomotor Relaxation In Vitro", Clinical Research-Official Publication of The Amer. Federation for Clinical Research, Vol. 36, No. 5, 9/5/88, p.786A.
AB	DT	Goodfriend, "Ultrasonic Ureterolithotripsy Employed in a Flexible Ureteroscope", The Journal of Urology, Vol. 139, No. 4, Part 2, April 1988, p. 282A.
AB	DU	Goodfriend, "Ultrasonic and Electrohydraulic Lithotripsy of Ureteral Calculi", Urology, Vol. XXIII, No. 1, January 1984, pp. 5-8.

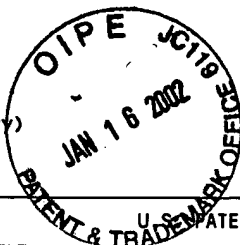
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<i>EA</i>	<i>4</i>	<i>8 1 7 6 0 0</i>	<i>04/04/89</i>	<i>Herms et al.</i>			
<i>EB</i>	<i>4</i>	<i>8 1 6 0 1 8</i>	<i>03/28/89</i>	<i>Parisi</i>			
<i>EC</i>	<i>4</i>	<i>8 0 8 2 4 6</i>	<i>02/28/89</i>	<i>Albrecht et al.</i>			
<i>ED</i>	<i>4</i>	<i>8 0 0 8 9 0</i>	<i>01/31/89</i>	<i>Cramer</i>			
<i>EF</i>	<i>4</i>	<i>7 9 6 6 3 7</i>	<i>01/10/89</i>	<i>Mascuch et al.</i>			
<i>EG</i>	<i>4</i>	<i>7 9 3 3 4 8</i>	<i>12/27/88</i>	<i>Palmar</i>			
<i>EH</i>	<i>4</i>	<i>7 6 8 5 0 7</i>	<i>09/06/88</i>	<i>Fischell</i>			
<i>EI</i>	<i>4</i>	<i>7 5 1 9 1 6</i>	<i>06/21/88</i>	<i>Bory</i>			
<i>EJ</i>	<i>4</i>	<i>7 5 0 9 0 2</i>	<i>06/14/88</i>	<i>Wuchinich et al.</i>			
<i>EK</i>	<i>4</i>	<i>7 5 0 4 8 8</i>	<i>06/14/88</i>	<i>Wuchinich et al.</i>			
<i>EL</i>	<i>4</i>	<i>7 4 8 9 8 6</i>	<i>06/07/88</i>	<i>Morrison et al.</i>			
<i>EM</i>	<i>4</i>	<i>7 4 8 9 7 1</i>	<i>06/07/88</i>	<i>Borodulin et al.</i>			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>EN</i>	<i>WO</i>	<i>90/01300</i>	<i>02/22/90</i>	<i>PCT</i>	<i>A61B 17</i>	<i>32</i>		
<i>EO</i>	<i>GB</i>	<i>2 195 257 A</i>	<i>04/07/88</i>	<i>Great Britain</i>				
<i>EP</i>	<i>WO</i>	<i>88/01924</i>	<i>03/24/88</i>	<i>PCT</i>				
<i>EQ</i>	<i>O</i>	<i>221 570</i>	<i>05/13/87</i>	<i>EPC</i>				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

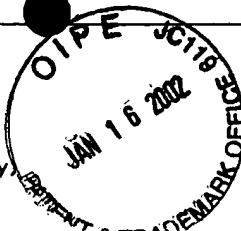
<i>ER</i>	Goodfriend, "Transvesical Intussusception Ureterectomy", Urology, Vol. XXI, No. 4, April 1983, pp. 414-415.
<i>ES</i>	Goodfriend, "Disintegration of Ureteral Calculi by Ultrasound", Urology, Vol. 1, No. 3, March 1973, pp. 260-263.
<i>ET</i>	Hong et al., "Ultrasonic clot disruption: An in vitro study", American Heart Journal, Vol. 20, No. 2, August 1990, pp. 418-422.

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Attorney's Docket No.

10527-118004

Application No.

09/924,275

Applicant

Kevin R. Heath

Filing Date

August 08, 2001

Group Art Unit

3738

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DR</i>	FA	4 7 3 2 1 5 2	03/22/88	Wallsten et al.			
	FB	4 7 2 4 8 4 6	02/16/88	Evans, III			
	FC	4 7 0 6 6 8 1	11/17/87	Breyer et al.			
	FD	4 6 9 8 0 5 8	10/06/87	Greenfeld et al.			
	FE	4 6 9 7 5 9 5	10/06/87	Breyer et al.			
	FF	4 6 9 2 1 3 9	09/08/87	Stiles			
	FG	4 6 8 1 1 1 0	07/21/87	Wiktor			
	FH	4 6 5 7 0 2 4	04/14/87	Coneys			
	FI	4 6 5 5 7 7 1	04/07/87	Wallsten			
	FJ	4 6 1 5 3 3 1	10/07/86	Kramann			
	FK	4 6 0 2 6 3 3	07/29/86	Goodfriend et al.			
	FL	4 5 8 0 5 6 8	04/08/86	Gianturco			
	FM	4 5 7 7 6 3 7	03/25/86	Mueller, Jr.			
	FN	4 5 7 2 1 8 4	02/25/86	Stohl et al.			

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							YES	NO
<i>DR</i>	FO	DE 33 29 176 C1	11/22/84	Germany				
	FP	EPO 0 121 447	10/10/84	European	A61F 1	00		X
	FO	EP 0 067 929	12/29/82	European			X (abstract)	
	FR	GB 1 205 743	09/16/70	Great Britain				

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<i>DR</i>	FS	Hunter et al., "Transurethral Ultrasonic Uretero-lithotripsy", The Journal of Urology, Vol. 135, No. 4, Part 2, April 1986, p. 299A.
<i>DR</i>	FT	Katzen Infusion Wire, Meditech, April 1991.
<i>DR</i>	FU	Marco et al., "Intracoronary Ultra Sound Imaging: Preliminary Clinical Results", European Heart Journal - Journal of the European Society of Cardiology - Abstract Supplement (Academic Press), August 1990, p. 190.

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<i>GA</i>	GA	4 5 6 1 4 3 8	12/31/85	Bonnet et al.			
	GB	4 5 1 8 4 4 4	05/21/85	Albrecht et al.			
	GC	4 5 1 7 7 9 3	05/21/85	Carus			
	GD	4 5 0 4 2 6 8	03/12/85	Herlitze			
	GE	4 4 8 6 6 8 0	12/04/84	Bonnet et al.			
	GF	4 4 7 4 1 8 0	10/02/84	Angulo			
	GG	4 4 6 4 1 7 6	08/07/84	Wijayarathna			
	GH	4 4 2 5 9 0 8	06/17/84	Simon			
	GI	4 4 2 5 1 1 5	01/10/84	Wuchinich			
	GJ	4 4 1 7 5 7 8	11/29/83	Banko			
	GK	4 4 0 6 2 8 4	08/27/83	Banko			
	GL	4 3 7 0 1 3 1	01/25/83	Banko			
	GM	4 3 5 1 3 2 6	09/28/82	Kosonen			
	GN	4 3 4 5 6 0 2	08/24/82	Yoshimura et al.			

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<i>GO</i>	GO	Monteverde et al., "Ultrasound Arterial Recanalization in Acute Myocardial Infarction", Supplement to Circulation (American Heart Association), Vol. 82, No. 4, October 1990, p. III-622.
<i>GP</i>	GP	Monteverde et al., "Percutaneous Transluminal Ultrasonic Angioplasty in Totally Occluded Peripheral Arteries: Immediate and Intermediate Clinical Results", Supplement to Circulation (American Heart Association), Vol. 82, No. 4, October 1990, p. III-678.
<i>GQ</i>	GQ	Rosenschein et al., "Clinical Experience with Ultrasonic Angioplasty of Totally Occluded Peripheral Arteries", Journal of the American College of Cardiology, Vol. 15, No. 1, January 1990, p. 104A.
<i>GR</i>	GR	Siegel et al., "In Vivo Ultrasound Arterial Recanalization of Atherosclerotic Total Occlusions", Journal of the American College of Cardiology, Vol. 15, No. 2, February 1990, pp. 345-351.
<i>GS</i>	GS	Siegel et al., "Percutaneous Ultrasonic Angioplasty: Initial Clinical Experience", The Lancet, Vol. II, No. 8666, September 30, 1989, pp. 772-774.
<i>GT</i>	GT	Siegel et al., "Ultrasonic Plaque Ablation - A New Method for Recanalization of Partially or Totally Occluded Arteries", Circulation, Vol. 78, No. 6, December 1988, pp. 1443-1448.

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	HA	4 2 9 5 4 6 4	10/20/81	Shihata			
	HB	4 2 0 2 3 4 9	05/13/80	Jones			
	HC	4 1 8 8 9 5 2	02/19/80	Loschilov et al.			
	HD	4 1 7 8 9 3 5	12/18/79	Gekhman et al.			
	HE	4 0 4 1 9 3 1	08/16/77	Elliott et al.			
	HF	4 0 2 3 5 5 7	05/17/77	Thorne et al.			
	HG	3 9 5 6 8 2 6	05/18/76	Perdreux, Jr.			
	HH	3 9 4 2 5 1 9	03/09/76	Shock			
	HA	3 9 4 1 1 2 2	03/02/76	Jones			
	HJ	3 9 3 0 1 7 3	12/30/75	Banko			
	HK	3 8 9 6 8 1 1	07/29/75	Storz			
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	HM	3 8 3 0 2 4 0	08/20/74	Antonevich et al.			
	HN	3 8 2 3 7 1 7	07/16/74	Pohlman et al.			
	HO	3 8 0 5 7 8 7	04/29/74	Banko			
	HP	3 6 1 8 6 1 4	11/09/71	Flynn			
	HQ	3 6 1 8 5 9 4	11/09/71	Banko			
	HR	3 6 0 5 7 5 0	09/20/71	Sheridan			
	HS	3 5 8 9 3 6 3	06/26/71	Banko et al.			
	HT	3 5 5 8 0 6 6	01/26/71	Alliger			
	HU	3 5 2 8 4 1 0	09/15/70	Banko			
	HV	3 3 3 5 4 4 3	08/15/67	Parisi et al.			
	HW	3 1 9 6 8 7 6	07/27/65	Miller			

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	HY	"Standard Test Methods for Radiopacity of Plastics for Medical Use", ASTM Designation F 640-79, pp. 1074-1078, 1980.
	HY	Search reports
	HZ	Patent Search Report

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